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Lawn colouring agent - comprising cobalt phthalo-cyanine complex having coordination number 6

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Patent Family:

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Abstract (Basic): A colouring agent for lawns which has good light-resistance, is not washed out by rain, has good colouring property and does not kill lawns comprises six-coordinated cobalt-phthalocyanine complex, (I) which consists of a six-coordinated cobalt-phthalocyanine complex coordinated with an aliphatic polyamine (e.g. ethylenediamine, dimethyl aminopropyl amine, etc.) at the two coordination sites which are not coordinated to the phthalocyanine ring and (in)organic acid residue (e.g. residual root of various kinds of halogenic acid, mineral acid such as nitric acid, sulphuric acid, etc., lower aliphatic acid such as formic acid, acetic acid, etc.). This dye gives highly transparent, concd. and distinct green to blue colour. The dye adheres well to lawns because of the high viscosity of its aq. soln. (weakly acidic) and when adhered the dye transforms to insoluble colouring matter by evapn. of the acids or with addn. of slightly alkaline substance. The agent prevents soil erosion and improves the appearance of gradens, parks, factories, airports, sports grounds, etc.

Derwent Class: C01; E23; P13;

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